

MATERIAL SAFETY DATA SHEET

Product Name: NSA
Catalog Number: 21355
Other Names: Nonenyl Succinic Anhydride
DOT Hazard Class: Not Hazardous
MSDS Updated: 9/2011

Distributed By: Ladd Research
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HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Nonenyl Succinic Anhydride	28928-97-4	95%	None Available
Nonenyl Succinic Acid	NA	<5%	None Available

PHYSICAL AND CHEMICAL DATA

Boiling Point: 325°C
Specific Gravity: 1.03
Vapor Density: 7.7 (relative to air)
Vapor Pressure: <1mm Hg
Solubility in Water: Insoluble
Evaporation Rate: 0.05 (relative to n-butyl acetate)
Appearance and Odor: Yellow liquid with slight odor

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 146.67°C
Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, water spray
Firefighting Procedure: Evacuate area and fight fire from safe distance. Wear full protective gear including self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: None

HEALTH HAZARD DATA

Skin: May cause irritation
Eye: May cause irritation
Swallowing: Harmful if swallowed

EMERGENCY AND FIRST AID

Skin: Immediately flush with water. Use soap if available. Thoroughly wash contaminated clothing and shoes or discard in a manner which limits further exposure.
Eye: Flush with plenty water for at least 15 minutes, holding eyelids apart. Seek medical attention if necessary.
Swallowing: Dilute with milk or water. Obtain immediate medical attention.

REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility: Can react vigorously with oxidizing materials, alkali metals and amines.
Conditions to Avoid: Keep from contact with oxidizing materials.
Hazardous Decomposition Products: May include oxides of carbon.

SPILL, DISPOSAL AND STORAGE INFORMATION

Spills: Absorb spill with inert material, then place in a chemical waste container.
Disposal: Consult federal, state and local regulations.
Storage: Keep container closed when not in use.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation: Use enclosures, local exhaust or other engineering controls to control sources of dust, mist or vapor.
Respirator: Use approved respirator with organic vapor cartridge.
Eye/Face: Wear safety glasses with side shields or goggles and a face shield.
Skin: Wear impervious gloves and chemical protective clothing as needed.

SECTION 313 SUPPLIER NOTIFICATION
Not applicable.

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